

# the CARRIER



W6CX

## the MOUNT DIABLO AMATEUR RADIO CLUB

VOLUME XXXVI-ISSUE 7 - JULY 1988 - REPEATERS 147.06/+ 223.74/+ 441.325/+

ATV REPEATER - INPUT 1264 MHz OUTPUT 427.250 MHz 300 W - VERTICAL POLAR.

CLUB MAILING ADDRESS: P.O. BOX 23222, PLEASANT HILL, CA. 94523

NEXT GENERAL MEETING FRIDAY, JULY 15th 8 P.M.  
GRACE PRESBYTERIAN CHURCH, WALNUT CREEK. VISITORS ALWAYS WELCOME

----->-----> GENERAL MEETINGS NOW BROADCAST ON ATV REPEATER. <-----<-----  
FOR DETAILS, SEE ABOVE AND ARTICLE ON Page 7



HAPPY 40th

WEDDING ANNIVERSARY

TO

DR. GEORGE JONES, KI6YK  
AND  
LILLIAN JONES

JULY 14, 1988

FROM  
THE BOARD OF DIRECTORS  
AND MEMBERSHIP  
OF THE  
MOUNT DIABLO  
AMATEUR RADIO CLUB

### MISUNDERSTANDING ON PICNIC PRIZE !!

GEORGE ROUSH, KB6OFH, CHAIRMAN OF PICNIC COMMITTEE, HAS HEARD THERE ARE RUMORS THAT THE GRAND PRIZE TO BE GIVEN AT THE PICNIC WILL ONLY BE AVAILABLE TO THOSE THAT PARTICIPATE IN THE TRANSMITTER HUNT.

"NOT SO", SAYS GEORGE. "TO BE ELIGIBLE FOR THE GRAND PRIZE, YOU MUST BE AT THE PICNIC BEFORE 1430 AND HOLD A 'TICKET' PROCURED FROM LAUREN STYLES, WA6CIE". THAT'S ALL!

### WATCH FOR THE AMATEUR TELEVISION COLUMN NEXT MONTH

MIKE SCOTT, N6GOZ, WILL HAVE ANOTHER CONTRIBUTION NEXT ISSUE COVERING:  
(1) HOW TO VIEW ATV . . . . WHICH INCLUDES CHOICES OF EQUIPMENT WITH HOOK-UP DIAGRAMS, USING YOUR OWN TV, ETC. (2) THE SPACE CRAFT LAUNCH ON MARCH 11th.

MT.DIABLO AMATEUR RADIO CLUB SUMMER PICNIC AND POTLUCK  
FOR THE WHOLE FAMILY

Date: Sunday July 17, 1988      Time: 10:00 A.M. TO 5:30 P.M.  
Place: Lafayette Reservoir      Cost: \$3.00 Parking fee per car.

SCHEDULED:

(Time schedule is flexible except for activities marked "SHARP".)

- 9:00 A.M. SHARP TO 1:P.M.      Talk-in frequencies      147.06+      223.74
- 10:00 A.M. When and if there are enough people, or later...  
SPORTS FANS: Bring your own softball, football, frisbee,  
etc. If enough present, tug-of-war, 3-legged race, eggs  
on spoon, water balloons, egg toss, bubble blowing, etc.  
NON-SPORTS FANS: Bring your favorite games; checkers, chess,  
card games, trivial pursuit, etc.  
Practice with your RDF equipment with other hams in meadow.  
Hiking and cycling. Fishing if you have a State License.  
Boat rentals are \$4.50 per hour.
- 12:00 LUNCH: YOU BRING:
1. Your own barbecue and briquets. (Two small barbecues owned by the club will be available).
  2. One share dish for 12 people (if you wish): main dish, salad, dessert. Put your name on the bottom of your dish.
  3. Plates, table service, lawn chairs, sweaters.
  4. Meat, buns, fixings, etc.
  5. Additional drinks if desired.
- 2.30 P.M. SHARP Drawing for door prizes. Must be present to win.  
> NO PRIZES FOR LATE REGISTRATIONS OR NON-REGISTRATIONS. <
- A. 2 pre registration prizes.
  - B. 4 little-kid prizes 0 to 7 years old.
  - C. 2 non ham prizes.
  - D. 2 ham prizes-MDARC members only.
  - E. GRAND PRIZE - 1 HANDHELD RADIO, MDARC MEMBERS ONLY.
- 2:40 TO 3:00 Judging of and prizes for RDF transmitter hunt equipment.
- 3:00 TO 3:45 Transmitter hunt on foot, handheld, clues in voice only.  
Simplex two meters.
- 3:45 TO 5:30 MORE FOOD, DRINKS, SPORTS, TRANSMITTER HUNTS (UP TO YOU).
- 5:30 P.M. THANKS FOR COMING TO THE PICNIC.      73's      GEORGE, WB6OFH

TELL GEORGE YOU ARE GOING TO THE PICNIC !!      PRE-REGISTER USING THE FORM BELOW.  
BE ELIGIBLE FOR PRE-REGISTRATION PRIZES.

SEND BY JULY 12, 1988 TO:      GEORGE L. ROUSH, WB6OFH, PICNIC CHAIRMAN  
2116 ATHENE DRIVE  
CONCORD, CALIFORNIA 94520

NAME \_\_\_\_\_ CALL \_\_\_\_\_  
ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ZIP \_\_\_\_\_  
PHONE(\_\_\_\_) \_\_\_\_\_ #ADULTS \_\_\_\_\_ #CHILDREN \_\_\_\_\_ TOTAL \_\_\_\_\_

## PICNIC TRANSMITTER HUNT

Judging of RDF equipment for transmitter hunt: a blue ribbon panel of three judges will judge all entries. You and your team will tell the judges how it works, show how it works, how it is constructed, your ideas about it, the antenna, meter, attenuator, etc. Even if you didn't build it, show the judge how you intend to win by using what you have.

PRIZES; FIRST, SECOND, THIRD - RIBBONS AND CERTIFICATES.

## RULES FOR THE TRANSMITTER HUNT

Only one person is recommended, but up to three are permitted. Team members do not have to have FCC licenses. Hunters using 2 or 3 persons must stay within three feet of one another (to keep from large sweeping with people spread out). You must carry all equipment with you. You may carry more than one receiver with you. Special equipment and antennas used for RDF work is allowed. You will be timed by a stop watch. You have 45 minutes to find the rabbit, which you will bring back to picnic HQ with you. The judges may disqualify you for poor sportsmanship. Transmitting at any time on any channel will disqualify you. No talking to other contestants, only to your own team members. You are on your own. Judges decision is FINAL.

## SUGGESTIONS FOR EXTRA EQUIPMENT

Clip boards, maps, plastic to cover map so it can be written on with grease pencil, notebook, pencil, compass, headset, watch. Good footwear for hiking. Suggest no sandals or bare feet.

At picnic HQ there will be if needed: a tool box, meter, soldering iron.

## 2-METER SIMPLEX TRANSMITTER BUNNIES 2-METER SIMPLEX

Simplex frequency will be assigned when hunt starts.

The output of the bunnies transmitter must be 300 milliwatts at all times.

Total hunt time: 45 minutes. Bunny will have a stop watch which will run until someone gets there or time runs out.

BUNNY will be a 12 inch white cardboard rabbit mounted on a two-foot stake.

Information on the stake will be the band and bunny's code number, which you will return to picnic HQ. Bunny will be totally visible for 10 feet but no higher than 12 inches off the ground. Tearing-up a bunny is disqualifying.

Bunny operator must stay within six feet of bunny at all times, and may not move out of the six foot circle at any time. The bunny operator will have extra batteries and an extra radio to talk to judges at picnic HQ.

## THE HUNT

- (1) TRANSMIT IN VOICE FOR FIVE MINUTES. NO CLUES.
  - (2) SILENCE FOR THREE MINUTES
- REPEAT 1 AND 2 UNTIL JUDGES DECIDE CLUE(S) NEEDED.  
HUNT ENDS AFTER 45 MINUTES



Via Packet

PRESIDENT VICKI's OBSERVATIONS  
ON FIELD DAY 1988

I WAS OVERWHELMED BY THE PARTICIPATION AND FUN THE MDARC MEMBERS HAD ON FIELD DAY THIS YEAR.

WE HAD UPWARDS OF 50 PEOPLE SET-UP, OPERATE, CLEAN-UP, AND COME BY FOR A VISIT, NOT TO MENTION THOSE WHO GAVE US A CONTACT FROM HOME! A BOY SCOUT TROOP CAME BY AS WELL AS MANY VISITORS AS THE TOP PARKING LOT WAS CLOSED. LOTS OF EXCELLENT PUBLICITY FOR AMATEUR RADIO. WE HAD NEWCOMERS AND OLD-TIMERS, A COMBINATION THAT BLENDED EVER SO NICELY.

WORDS ARE NOT ENOUGH TO THANK EVERYONE WHO MADE THE 1988 "FIELD DAY" SUCH A ROUSING SUCCESS - IT WOULD MEAN LISTING THE NAME OF EVERY PERSON THERE! THE CLUB MEMBERS, AS WELL AS THEIR SPOUSES, ALL WORKING TOGETHER.

BRAD WATSON, WA6AEO, (CCRA CHAIRMAN) WAS MOST COOPERATIVE AND ALLOWED US TO PASS 10 MESSAGES FROM THE NTS ON HIS UHF AND THE WA6HAM VHF REPEATER VIA AUTOPATCH. THAT CO-OPERATION SHOWS NOT ONLY ONE BUT TWO CLUBS WORKING TOGETHER TO FURTHER AMATEUR RADIO PUBLIC RELATIONS.

CHUCK GRANT, KB6UY, PICKED UP THE 2-METER BAND AND PACKET FREQUENCIES SINCE OUR OWN RRRG WAS UNABLE TO TAKE CARE OF IT. HE WENT HOME TO PITTSBURG TO GET HIS STATION WHEN HE FOUND WE DIDN'T HAVE A SET-UP.

ATV MAKING A BIG EFFORT TO RECORD THE FUN WAS MUCH APPRECIATED !!

DON DOUGHTY, W6EEN, BROUGHT HIS TOWER AND STATION. CARL COOK, AI6V, BROUGHT HIS GENERATOR AND A NEW R.V. FOR THE 20 METER STATION. DON AND FRED A LUCIDO, W6BXE & N6PWT, BRAVING THE WINDS, PROVIDED HOT CHOCOLATE IN THE WEE HOURS OF THE MORNING, AND WORKED HARD ON 10 AND 80 METERS DAY AND NIGHT. JON SCHWARTZ, KB6SJT, WORKING THE 40 METER STATION, DIDN'T HAVE MUCH COMFORT, BUT GAVE IT HIS ALL. AND, AS USUAL, LAUREN STYLES, WA6CIE, FIELD DAY CHAIRMAN, WAS ON 15 METERS AND WORKED HARD TO MAKE FIELD DAY 1988 A SUCCESS.

SO MANY TO THANK AND NOT ENOUGH SPACE TO DO IT HERE. IF YOU WERE THERE, YOUR EFFORTS DID NOT GO UN-NOTICED.

POT-LUCKS ORGANIZED BY DON, N6EEQ AND COMPANY WERE OPERATED ON FRIDAY AND SATURDAY NIGHTS, AND INCLUDED WITH THE FOOD WERE MANY JOKES AND PLENTY OF LAUGHTER!

I CANNOT BEGIN TO TELL YOU HOW MUCH FUN IT WAS TO BE A PART OF SUCH A LARGE EFFORT, AND ALONG SIDE OUR FRIENDS AND NEW ACQUAINTANCES.

FOR THOSE OF YOU WHO MISSED IT, I AM SORRY BECAUSE IT WAS AN EXPERIENCE IN MY LIFE I WON'T FORGET, BUT YOU WILL HAVE ANOTHER CHANCE FOR FUN BY COMING TO OUR CLUB PICNIC! PLEASE JOIN US. (Ed: See page 2/3)

I WILL LOOK FORWARD TO MEETING ALL OF YOU IN PERSON AT THE REGULAR CLUB MEETING ON JULY 15 AND THE CLUB PICNIC ON JULY 17.

73, VICKI, N6KLS

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MOTHER AND DAUGHTER KEEP IN TOUCH  
VIA PACKET

HAVE YOU EVER HEARD OF A MOTHER GOING ON VACATION AND REPORTING TO HER DAUGHTER VIA PACKET CONCERNING HER SAFETY AND WELL BEING ?

THAT'S WHAT HAPPENED TO ME (YOUR SECRETARY, N6NVA).

WHILE TRAVELLING IN RUIDOSO, NEW MEXICO, I WENT ON 2-METERS ASKING FOR ANYONE WHO HAD PACKET CAPABILITY WILLING TO SEND A MESSAGE. W5LNS, KNOWN ONLY AS "T", RESPONDED, SAYING THERE WAS ONLY ONE HAM ON PACKET IN THE ROSWELL AREA AT THAT TIME. AFTER MANY ATTEMPTS BY MANY HAMS THEY FINALLY CONTACTED W1LCP. HE HAD BEEN HELPING A FRIEND PUT UP AN ANTENNA (NOTHING UNUSUAL FOR HAMS). HE FINALLY REACHED ME AT 9:30 PM AND SENT THE MESSAGE TO MY DAUGHTER, (YOUR PRESIDENT) VICKI, N6KLS, VIA PACKET. THEY REALLY WENT ALL OUT SO THE PACKET MESSAGE COULD BE SENT.

IN FLAGSTAFF, ARIZONA, N7FU RESPONDED SAYING HIS PACKET STATION WAS DOWN, BUT HE WOULD COPY THE MESSAGE AND GIVE IT TO HIS NEIGHBOR TO SEND BY PACKET. ONE WAS SENT TO N6KLS AND ONE TO WU6P, EDITOR OF THE 'CARRIER'.

Continued on Page 5



IN RIVIERA, ARIZONA, WA7TPW, INVITED ME TO HIS HAM SHACK AND SENT A MESSAGE FOR ME VIA THE NATIONAL TRAFFIC NET. HE HAS SENT OVER 1000 MESSAGES FOR PEOPLE, AND HAD SENT A MESSAGE TO VICKI FOR ME 3 YEARS PREVIOUSLY.

SO, IF YOU NEED A MESSAGE SENT WHILE TRAVELLING, THERE'S A GREAT BUNCH OF HAMS OUT THERE WILLING TO HELP.

THANKS TO ALL, INCLUDING N6VV BBS FOR MAKING IT ALL POSSIBLE.

JANE, N6NVA

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MDARC MONTHLY MEETING MINUTES  
17 JUNE 1988

PRESIDENT ZUMWALT N6KLS CALLED THE MEETING TO ORDER.

MINUTES: APPROVED AS PRINTED IN THE CARRIER.

TREAS.:SCHULZE REPORTED THE CLUB HAS \$4899.32

EDUCATION: SEPT. STARTS A NEW CLASS FOR NOVICE, TECH. AND GENERAL.

CARSON K6TI ANNOUNCED DR. GEORGE JONES AND XYL WERE IN A SERIOUS AUTO ACCIDENT 17 JUNE 1988.

JAY TOLD OF THE REPEATER BEING IN SLEEP MODE, IF YOU NEED MORE DETAILS CONTACT HIM.

NEW BUS.: JIM HOUSE REPORTED THE NEED FOR NEW AEC's FOR RESPONSE SITES COVERAGE. CHECK IN WITH NET, HAMS ARE NEEDED FOR MONDAY, JULY 4th FIRE WATCH FOR CDF.

BRAD WA6AEO TOLD OF THE NEXT TEST SESSION JULY 9th SAT. 1:30 CHURCH OF THE NAZARENE IN CONCORD.

JACKETS: CONTACT SHIRLEY, N6QHF, IF YOU HAVE ORDERED A YELLOW COMMUNICATIONS JACKET.

DELTA CLUB: TOM KA6SIP TOLD OF THE RIVERTOWN JAMBOREE IN ANTIOCH SEPT. 24-25th. THE DELTA CLUB PLANS A RADIO STATION FOR HF, 2-METER, PACKET, ATV, ROBOT ON PACKET.

GUEST SPEAKER GARY CALDWELL WA6VEF HAD EVERYONE WISHING FOR AN ANTENNA FARM. SLIDES AND PROGRAM ON DXING WERE INFORMATIVE AND MOST INTERESTING. ENJOYED BY ALL.

RESPECTFULLY SUBMITTED BY,

JANE WALKER N6NVA  
CLUB SECRETARY

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BOARD MEETING MINUTES  
20 JUNE 1988

OFFICERS PRESENT:

PRESIDENT	VICKI ZUMWALT	N6KLS
TREASURER	DICK SCHULZE	AA6DL
SECRETARY	JANE WALKER	N6NVA

OFFICER ABSENT:

VICE PRES.	DICK BROWN	KT6X
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BOARD MEMBER PRESENT:

JAY CALDIS	KT6Y
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BOARD MEMBER ABSENT:

JIM HOUSE	KA6IVF
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MEMBERS PRESENT:

S. CHRISTIAN, CARRIER EDITOR	WU6P
GLENN ZUMWALT	KJ6EN
GEORGE ROUSH	WB6OFH

VICKI N6KLS CALLED THE MEETING TO ORDER.

MINUTES WERE APPROVED AS PUBLISHED IN THE CARRIER.

TREASURER'S REPORT. WE HAVE \$4919.23.

MEMBERSHIP: WE HAVE 278 MEMBERS. ALSO THANKS TO DR. GEORGE JONES FOR ALL THE EXTRA ARTICLES HE SUBMITS TO THE BOARD AND PUTS IN THE CARRIER.

THE BOARD APPROVED \$50.00 FOR THE PICNIC.

LAUREN STYLES HAS DONE A LOT OF WORK TO MAKE FIELD DAY HAPPEN. THE BOARD MEMBERS WISH TO THANK YOU LAUREN, WE APPRECIATE YOUR EFFORTS.

NEXT BOARD MEETING 19 JULY 1988, DICK BROWNS HOME.

RESPECTFULLY SUBMITTED,

JANE WALKER N6NVA  
CLUB SECRETARY

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MORE LAWS OF THE ELECTRONIC JUNGLE  
(Thanks to Scott N6LGB)

7. IN NEW EQUIPMENT, A FAILURE WILL NOT OCCUR UNTIL THE UNIT HAS PASSED THE FINAL INSPECTION.

8. A PURCHASED COMPONENT OR INSTRUMENT WILL MEET SPECIFICATIONS LONG ENOUGH, AND ONLY LONG ENOUGH TO PASS INCOMING INSPECTION.

9. A FAIL-SAFE CIRCUIT WILL DESTROY OTHERS.

10. AFTER THE LAST 16 MOUNTING SCREWS HAVE BEEN REMOVED FROM THE ACCESS COVER, IT WILL BE DISCOVERED THE WRONG COVER HAS BEEN REMOVED.

11. WHEN THE LAST 16 MOUNTING SCREWS OF THE PROPER COVER HAVE BEEN REMOVED, IT WILL BE DISCOVERED THAT TWO SCREWS HOLDING THE COVER IN PLACE HAVE YET TO BE REMOVED.

12. AFTER THE ACCESS COVER HAS BEEN SECURED BY 16 HOLD DOWN SCREWS, IT WILL BE DISCOVERED THE GASKET HAS BEEN OMITTED.

\* MORE LAWS OF THE \*  
\* ELECTRONIC JUNGLE NEXT ISSUE \*

### THREE MDARC MEMBERS IN 'BAY TO BREAKERS' RUN

THE BAY TO BREAKERS RUN STARTED AT 8AM AND WAS 7 1/2 MILES TO THE FINISH LINE. THERE WERE 90,000 REGISTERED RUNNERS AND AN ESTIMATED 20/30,000 UNREGISTERED PARTICIPANTS.

(1) JOHN BATES, N6PUL, ARRIVED AT THE STARTING AREA AT 5:45 AM WITH HIS DAUGHTER KIMBERLY. KIMBERLY IS 15 YEARS OLD AND A MEMBER OF THE CAMPOLINDO HIGH SCHOOL TRACK TEAM. THIS WAS JOHN AND KIMBERLY'S FIRST "BAY TO BREAKERS" RUN. THEIR RUNNING TIME WAS . . . 1:25:40 . . . (JOHN SAID THEY FOLLOWED TWO MALE RUNNERS WHO WORE ONLY 'G' STRINGS AND SHOES).

(2) TOM DEEBLE, KA6SIP, ARRIVED AT THE STARTING AREA AT 7:45AM. THERE WERE SO MANY RUNNERS AHEAD OF TOM THAT HE HAD TO RUN FOR 20 MINUTES TO GET TO THE STARTING LINE. HIS RUNNING TIME WAS . . . 1:14:00 . . . TOM SAID HE 'JOGGED' THE COURSE, AND HIS REASON FOR PARTICIPATING WAS TO WATCH THE EVENT, (ALL OF THOSE FEET AND BODIES) FROM GROUND LEVEL.

(3) DICK POLKINGHORN, KI6YF, ARRIVED AT THE STARTING AREA AT 6AM. HE WAS NUMBER 1922. IT TOOK HIM ABOUT 7 SECONDS TO ARRIVE AT THE STARTING LINE AND HIS RUNNING TIME WAS . . .  
. . . . . 0:57:20. . . . .  
DICK IS EMPLOYED BY AT&T WHO GAVE THEIR RUNNERS A PARTY AND T-SHIRTS AT THE CONCLUSION OF THE RACE.

CONGRATULATIONS AND COMMENDATIONS FOR THEIR WILLINGNESS AND ABILITY TO PARTICIPATE.

Editor: If there are other Club members who participated, please call the MDARC newsletter editor. Your story will be included next issue. (Editor's Phone 672-0330)

### THE MOUNT DIABLO AMATEUR RADIO CLUB WHERE WE ARE A PROFILE

By Dr. George Jones, KI6YK  
(Membership Chairman)

Members of MDARC are spread over a wide area and in goodly numbers. The following shows by numbers

#### WHERE WE ARE

54	Concord	14	Pittsburg
50	Walnut Creek	9	Antioch
21	Pleasant Hill	8	Moraga
18	Danville	5	Oakland
15	each Lafayette, Martinez, Orinda.		
4	each San Francisco and Benicia.		
3	each Alamo, Livermore, Pleasanton, San Ramon and Vallejo.		
2	each Los Osos, Brentwood, Oakley, El Cerrito, Fremont, Dublin, El Sobrante and Isleton.		
1	each Montebello, Diamond Bar, San Lorenzo, Menlo Park, Alameda, Crocket, Suisun, Vacaville, Petaluma, Milpitas, Pollack Pines, Sacramento, Nevada City and Kensington, MD.		

#### QUADRUPLETS: FOUR CRYING OUT LOUD.

#### MDARC MEMBERSHIP DIRECTORY UPDATE

Mount Diablo Amateur Radio Club welcomes the following new members who joined in the past month:

BRYANT, Raymond G.	N6RBY	General
30 Claremont Ave.,	Orinda,	94563
415-254-7517(w)	415-540-2242(h)	
LAUSTEN, Robert	W6ERA	Advanced
1895 Shuey Ave.,	Walnut Creek,	94596
415-934-9146		
REQUIST, Tom	N6SKS	Technician
485 Fernwood Dr.,	Moraga,	94556
NEW CALL SIGN:		
MALONEY, Michael N.,	N6SBE	
ZIP CODE CHANGES:		
CAMPBELL, Joe	94596	
WALKER, Jane	94565	

Send changes to Membership Chairman at the Club P.O.Box so they may be published in the Carrier.

It is still possible to obtain a 1988 MDARC MEMBERSHIP DIRECTORY, either by picking it up free at the next Club meeting, or sending \$1 and a request to George Jones, KI6YK, at 325 Glen Arms Dr., Danville, Ca 94526

AMATEUR TELEVISION UPDATE  
By Mike Scott, N6GOZ

THE ATV REPEATER ON MT. DIABLO CONTINUES TO FUNCTION WITH MORE RELIABILITY THAN EVER. THE ATV GROUP'S MANY WEEKEND EFFORTS HAVE FINALLY PAID OFF IN THE FORM OF AN ACTIVE TELEVISION REPEATER THAT IS BEING SEEN OVER THE GREATER BAY AREA, ALSO IN SACRAMENTO, SAN JOSE AND THE SIERRA FOOTHILLS.

THIS GROUP STARTED WITH TWO ACTIVE MEMBERS, AND OVER MANY YEARS OF FRUSTRATION, LOTS OF SWEAT AND MONEY, THE NUMBER OF ACTIVE ATV AMATEURS HAS GROWN TO A TECHNICALLY COMPETANT GROUP.

WHAT'S ON ATV ??

IT'S NOT ANYTHING LIKE PBS OR KGO OR EVEN THE 700 CLUB, BUT THERE IS A REAL MIXTURE TO KEEP IT INTERESTING. BEING ABLE TO SEE THE PERSON TO WHOM YOU ARE TALKING IN REAL TIME IMAGES IS JUST LIKE THE VIDEO PHONE OF THE FUTURE. TALKING HEADS ARE NOT THE ONLY THING ON THE BOX.

VARIOUS HOMEBREW PROJECTS ARE SHOWN AND DISCUSSED IN THEIR VARIOUS STAGES OF PRODUCTION. THE SHUTTLE COVERAGE IS SECOND TO NONE WITH CONTINUOUS LIVE COVERAGE DIRECT BY SATELLITE FROM THE BEGINNING TO THE END OF EACH MISSION. ALL OSCAR LAUNCHES WILL BE COVERED. THE UPCOMING FIRE SEASON WILL PROVIDE AN IN-DEPTH LOOK AT FIRE CONTROL AND PREVENTION FOR VIEWERS, AND ADD ATV CAMERAS MOUNTED IN AIRPLANES AND HELICOPTERS WILL GIVE SOME EXCITING EMERGENCY SERVICE VIEWING. COVERAGE OF PUBLIC SERVICE EVENTS AND SIMULATED EMERGENCY TESTS (SET) IS PLANNED.

PERHAPS THE SINGULAR EVENT THAT WILL BE COVERED THAT INVOKES THE MOST GENERAL INTEREST IS LIVE COVERAGE OF THE SPACE PROGRAM COURTESY OF NASA.

MDARC CLUB MEETINGS, AND GUEST SPEAKERS, IF ANY, WILL BE BROADCAST OR TAPED AS A REGULAR FEATURE.

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**SHORTEST LIFE !! A CLEAN GARAGE.**

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AMATEUR TELEVISION  
CURRENT EVENTS  
By Mike Scott, N6GOZ

TEST SKED:

TUES, THUR, SAT: 19:30 TO 21:00  
NIGHT OWLS: (MOST NIGHTS) 23:00 TO ??

EMERGENCY SERVICE:

LIVE REMOTE FROM NEW O.E.S OFFICE IN MARTINEZ.

A.T.V. NET:

THURSDAYS 20:00 TO 21:00 ON 147.060,  
223.840, 441.325 AND ATV REPEATER.

(ATV REPEATER INPUT 1264.00MHz  
OUTPUT 427.250 MHz - POWER 300W  
ANTENNA: VERTICAL POLARIZATION)

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AMATEUR TELEVISION  
NET ACTIVITIES  
By Mike Scott, N6GOZ

THE NUMBER OF CHECK-INS CONTINUES TO INCREASE AS THERE IS MORE ACTIVITY ON THE REPEATER. OUR REGULAR CHECK-IN LIST NOW NUMBERS 30+ AMATEURS ON FIFTEEN VIDEO TRANSMIT CAPABILITIES.

OUR FIRST TV REMOTE ATTEMPT WAS ON MARCH 10th AT CONSOLIDATED FIRE ON GEARY ROAD IN PLEASANT HILL CHOSEN BECAUSE OF ITS CENTRAL LOCATION. EQUIPMENT CONSISTED OF 2 BEAMS MOUNTED ON A TELESCOPING MAST AND FED WITH 1/2" HELIX CABLE. THE DOWN LINK MONITORING FACILITY WAS SET UP IN THE BACK OF A TRUCK WHICH PERMITTED MONITORING FUNCTIONS AS ANTENNA ALIGNMENT WAS COMPLETED. THE UPLINK TRANSMITTER AND CAMERA WERE POSITIONED INSIDE THE FIRE STATION AT THE COMM CENTER WITH SEVERAL TV SETS CONNECTED TO PROVIDE THE DOWN-LINK FEED WHILE WE WERE ON THE AIR.

COMPLETE SET-UP AND ALIGNMENT TOOK ONLY 40 MINUTES AND THE WRAP-UP ABOUT HALF THAT TIME.

THIS FIRST REMOTE WAS AN OUTSTANDING SUCCESS WITH HIGH QUALITY RECEPTION BEING REPORTED BY MOST STATIONS INCLUDING THE STATE O.E.S. IN SACRAMENTO AND VARIOUS RED CROSS CENTERS IN THE SOUTH BAY.

WE ARE PLANNING MORE OF THESE IN THE NEAR FUTURE.

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NETS: RACES, CLUB, ATV, HF

RACES/ARES NETS

EVERY THURSDAY AT 1900 HOURS  
>CENTRAL C.C.COUNTY 145.680/S<  
JAMES HOUSE, KA6IVF, E.C.  
372-0345  
>EAST C.C.COUNTY 146.540/S<  
WM.VAN VOORHIS, WA6ZFZ, E.C.  
754-1214  
>SOUTH C.C.COUNTY 146.355/+R<  
CARSON TAYLOR, K6TI, E.C.  
820-5297  
>WEST C.C.COUNTY 145.110/-R<  
JAMES CROOKE, KB6JEC, E.C.  
529-1900

QSY TO 147.735/-R AT 1920 HOURS

MT. DIABLO AMATEUR RADIO CLUB NET  
THURSDAY 1930 HOURS 147.06/+R  
JAY CALDIS KT6Y NET CONTROL  
> ATV NET FOLLOWS AT 2000 HOURS <  
MIKE SCOTT N6GOZ NET CONTROL  
DON SMITH W6NKF ALTERNATE

> CONTRA COSTA COUNTY EMERGENCY <  
RADIO SERVICES NET  
FIRST THURSDAY FOLLOWING THE FIRST  
WEDNESDAY 2000 HOURS 3896 KHz  
HANK BERRYMAN W6ZHY AEC 934-9659

KI6YK'S COMMUNITY SERVICE

Membership Chairman George Jones, KI6YK, has worked twelve public service events this year so far. But they have not all been in this area. On Memorial Day weekend, while visiting his daughter Becca Hall, NOJGZ, in Durango, Colorado, he was asked by the Durango Amateur Radio Club to help them work the Iron Horse Criterium Bike Races. "There were six races of 20 to 40 miles each and they really take their cycling seriously there. We provided an important service to them and it's hard to see how they could have run the races without us", he stated. "The amateurs in Durango were just great - very professional operators and marvelously friendly and helpful. And it was a lot of fun working an event with my daughter." George just found out what we've all known right along: Hams are the same the world over - the greatest.

OFFICERS

PRESIDENT  
VICKI ZUMWALT N6KLS 458-4527  
VICE PRESIDENT  
DICK BROWN KT6X 676-9048  
SECRETARY  
JANE WALKER N6NVA 458-3164  
TREASURER  
DICK SCHULZE AA6DL 935-5000  
EMERGENCY COORDINATOR  
JAMES PERRY AA6CK 680-7676  
BOARD MEMBERS  
JAY CALDIS KT6Y 939-1893  
JIM HOUSE KA6IVF 372-0345

PUBLIC RELATIONS

CARSON TAYLOR K6TI 820-5297

\*PUBLICATION/CIRCULATION/MEMBERSHIP\*  
CHAIRMAN

DR. GEORGE JONES KI6YK 837-9316  
325 GLEN ARMS DRIVE  
DANVILLE, CA 94526

\* 'THE CARRIER' NEWSLETTER EDITOR \*  
STAN CHRISTIAN WU6P  
5450 CONCORD BLVD. #C4  
CONCORD, CA 94521  
415-672-0330

\* CONTRIBUTIONS TO 'THE CARRIER' \*  
(1) BY MAIL OR TELEPHONE.  
(2) N6VV BBS 144.99 MHz  
(3) EDITOR'S PACKET MAILBOX  
BY PRE-ARRANGEMENT.

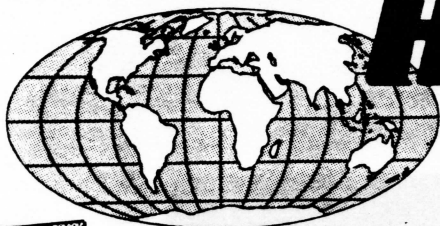
DEADLINE for contributions to this  
newsletter; LAST DAY OF THE MONTH.

MEETING PLACE OF THE  
MT. DIABLO AMATEUR RADIO CLUB  
GRACE PRESBYTERIAN CHURCH  
2100 TICE VALLEY BOULEVARD  
WALNUT CREEK

FOLLOW SIGNS IN WALNUT CREEK  
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